



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

December 20, 2017

Mr. Dave Shelow & Ms Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 11/27/17 11:20 through 11/30/17 11:01.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

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CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-06

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Acorn and Hwy 44	7112744-01	Air	11/22/17 13:25	11/27/17 11:20
238 Chad Baker	7112744-02	Air	11/22/17 13:37	11/27/17 11:20
Ochsner Hospital	7112812-01	Air	11/25/17 12:57	11/28/17 11:01
Levee	7112812-02	Air	11/25/17 13:07	11/28/17 11:01
238 Chad Baker C1	7112812-03	Air	11/25/17 13:11	11/28/17 11:01
238 Chad Baker C2	7112812-04	Air	11/25/17 13:11	11/28/17 11:01
Fifth Ward Elementary School	7112812-05	Air	11/25/17 13:08	11/28/17 11:01
Acorn and Hwy 44	7112812-06	Air	11/25/17 13:05	11/28/17 11:01
East St. John the Baptist High	7112812-07	Air	11/25/17 12:52	11/28/17 11:01
Fifth Ward Elementary School	7112924-01	Air	11/22/17 13:33	11/29/17 10:42
Levee	7112924-02	Air	11/22/17 13:29	11/29/17 10:42
East St. John the Baptist High	7112924-03	Air	11/22/17 13:12	11/29/17 10:42
Ochsner Hospital	7112924-04	Air	11/22/17 13:19	11/29/17 10:42
Fifth Ward Elementary School	7113010-03	Air	11/22/17 13:33	11/30/17 11:01



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7112744-01

Sampled: 11/22/17 13:25

Pressure @ Receipt: 13.50" Hg

Canister #: 5013

Received: 11/27/17 11:20

Comments: PR-1 Start 13:25 11/21/17

Analyzed: 12/01/17 04:43

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.017	0.06	U	0.020



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REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7112744-02

Sampled: 11/22/17 13:37

Pressure @ Receipt: 7.50" Hg

Canister #: SAT054

Received: 11/27/17 11:20

Comments: PR-15 Start 13:37 11/21/17

Analyzed: 12/01/17 05:46

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.128	0.46		0.020



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REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7112812-01

Sampled: 11/25/17 12:57

Pressure @ Receipt: 1.50" Hg

Canister #: SAT034

Received: 11/28/17 11:01

Comments: PR-23 Start 11:31 11/24/17

Analyzed: 12/06/17 18:56

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	24.6	89.30	D	0.087



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7112812-02

Sampled: 11/25/17 13:07

Pressure @ Receipt: 5.50" Hg

Canister #: A21000

Received: 11/28/17 11:01

Comments: PR-2 Start 11:41 11/24/17

Analyzed: 11/30/17 20:26

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	5.82	21.10		0.020



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker C1

Lab ID: 7112812-03

Sampled: 11/25/17 13:11

Pressure @ Receipt: 9.00" Hg

Canister #: SAT087

Received: 11/28/17 11:01

Comments: Col 1 PR-21 Start 11:49 11/24/17

Analyzed: 11/30/17 21:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	5.86	21.30		0.020



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REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker C2

Lab ID: 7112812-04

Sampled: 11/25/17 13:11

Pressure @ Receipt: 7.00" Hg

Canister #: 5118

Received: 11/28/17 11:01

Comments: Col 2 PR-24 Start 11:49 11/24/17

Analyzed: 11/30/17 22:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	6.17	22.40		0.020



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7112812-05

Sampled: 11/25/17 13:08

Pressure @ Receipt: 6.00" Hg

Canister #: SAT073

Received: 11/28/17 11:01

Comments: PR-15 Start 11:46 11/24/17

Analyzed: 12/01/17 01:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.71	6.21		0.020



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7112812-06

Sampled: 11/25/17 13:05

Pressure @ Receipt: 9.0" Hg

Canister #: A21035

Received: 11/28/17 11:01

Comments: PR-1 Start 11:39 11/24/17

Analyzed: 12/01/17 02:38

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	4.78	17.30		0.020



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7112812-07

Sampled: 11/25/17 12:52

Pressure @ Receipt: 6.00" Hg

Canister #: SAT089

Received: 11/28/17 11:01

Comments: PR-8 Start 11:26 11/24/17

Analyzed: 12/06/17 19:56

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	10.9	39.60	D	0.039



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7112924-01

Sampled: 11/22/17 13:33

Pressure @ Receipt: 10.50" Hg

Canister #: 19653

Received: 11/29/17 10:42

Comments: Col 1 PR-21 Start 13:33 11/21/17

Analyzed: 12/01/17 06:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.25	8.16	D-F	0.020



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7112924-02

Sampled: 11/22/17 13:29

Pressure @ Receipt: 7.50" Hg

Canister #: SAT172

Received: 11/29/17 10:42

Comments: PR-2 Start 13:29 11/21/17

Analyzed: 12/01/17 10:58

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.818	2.97		0.020



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7112924-03

Sampled: 11/22/17 13:12

Pressure @ Receipt: 7.50" Hg

Canister #: 18836

Received: 11/29/17 10:42

Comments: PR-8 Start 13:12 11/21/17

Analyzed: 12/01/17 12:00

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.007	0.03	U	0.020



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REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7112924-04

Sampled: 11/22/17 13:19

Pressure @ Receipt: 8.50" Hg

Canister #: 5080

Received: 11/29/17 10:42

Comments: PR-23 Start 13:19 11/21/17

Analyzed: 12/01/17 13:02

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04	U	0.020



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REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7113010-03

Sampled: 11/22/17 13:33

Pressure @ Receipt: 8.50" Hg

Canister #: 5129

Received: 11/30/17 11:01

Comments: Col 2 PR-24 Start 13:33 11/21/17

Analyzed: 12/01/17 07:51

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	3.00	10.90	D-F	0.020



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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B7K3006 - Summa Canister Prep

Blank (B7K3006-BLK1)

Prepared: 11/22/17 Analyzed: 11/30/17

Chloroprene	ND	ppbv				U
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Duplicate (B7K3006-DUP1)

Source: 7112812-03

Prepared: 11/25/17 Analyzed: 11/30/17

Chloroprene	5.82	ppbv	5.86	0.645	25	
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Duplicate (B7K3006-DUP2)

Source: 7112812-04

Prepared: 11/25/17 Analyzed: 12/01/17

Chloroprene	6.03	ppbv	6.17	2.35	25	
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Duplicate (B7K3006-DUP3)

Source: 7112924-01

Prepared: 11/22/17 Analyzed: 12/01/17

Chloroprene	2.25	ppbv	2.25	0.169	25	
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Duplicate (B7K3006-DUP4)

Source: 7113010-03

Prepared: 11/22/17 Analyzed: 12/01/17

Chloroprene	2.97	ppbv	3.00	0.844	25	
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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1711075

Calibration Check (1711075-CCV1)

Prepared & Analyzed: 11/30/17

Chloroprene	2.64	ppbv	7.5	30.00
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FILE #: 0344.00

REPORTED: 12/20/17 14:22

SUBMITTED: 11/27/17 to 11/30/17

AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U Under Detection Limit

D-F Duplicate exceeds DQO criteria.

D This result obtained by dilution.

ND Analyte NOT DETECTED

NR Not Reported

MDL Method Detection Limit

RPD Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trchlorofluoromethane, and trichlorotrfluoroethane.